ATUL MISHRA, Ph.D.

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30+ Years Experience

PROFESSIONAL SUMMARY

- **Professor** in department of computer engineering of the J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana with association for the last 17+ years of with various academic and administrative responsibilities.
- **Senior telecom professional** with **over 15 years** of experience in **Project Management,** delivery of two of FNC's products **across full project lifecycle in a leadership/management role** and distributed, object oriented software design, development and maintenance. 10+ years of **Optical Telecommunications Industry** experience in managing, designing and developing Voice, Data and Video transport/switching solutions. Specialized in **Optical Network Planning and Network Management tools** development.
- Merit of receiving **PRESIDENT GOLD MEDAL,** on successful delivery of optical network planning tool's R1.0 release for IPTV projects in SBC, highest tribute in Fujitsu, for Y2005.
- 9+ years (Ciena & Fujitsu) of providing leadership, planning, scheduling and successfully executing large-scale wireline telecom NMS/EMS software projects, wherein, I was responsible for management and development of many **customer mandated features** that were directly responsible for generating multi-million dollar revenue in equipment and Network Management Solutions sales for **Fujitsu Network Communications (FNC), Inc**. and getting many key **RBOCS**, **CLEC** and **MSO** accounts in North America and Asian Markets like Telecom Malaysia, Hong Kong Telecom.
- Responsible for key customer interactions with major customers like SBC, Verizon and NTT, involving gathering feature requirement specifications, product demos and customer feedback sessions.

SIGNIFICANT STRENGTHS

- Ph.D. with Thesis work titled "Mobile Agent Based Scalable and Responsive Architecture for Telecommunication Management System".
- Strong skills in **Project Management**, Software Architecture and languages (**Unix, C, C++, Java, CORBA, XML**), Network Management standards and protocols (**TMN, TL-1, OSI, SNMP, Bellcore standards**), Transport protocols and technologies (**SONET, SDH, DWDM MSPP switches**), Ethernet transport technologies (**EOS, RPR**), emerging technologies (**GPON, Wimax, PWE3 solutions**).
- A highly motivated and energetic professional, dedicated to understanding and meeting client needs. Knowledgeable in **project management tools, processes and techniques**.
- Exceptional focus, follow-through and co-ordination skills. Proven ability to develop and manage project schedules and known for working well with cross-functional team to achieve on-time project completion.
- Experience in Management of projects in cross-functional organizations with technological and management challenges (aggressive schedules and attrition). Experience in managing diverse teams at multiple locations – North America, Japan, India and Ireland.
- Superior **Software Management, Communication, Presentation, Leadership and Person-to-person skills** with a keen sense of responsibility towards meeting the organizational goals.
- Product requirement definition, Software architecture, System engineering activities.
- Very good **Software Architecture, Design, Coding and Debugging skills** with focus on time driven product development.
- Strong hands-on technical experience in **Java, C/C++, Telecommunications Network Management, Distributed Multi-Threaded Architectures, Object-Oriented Design, J2EE, CORBA** and a range of other hardware and software platforms.

PATENT

Approved (By USPTO);
Generic Means to Keep NE and NMS database in Sync: Algorithm to keep the Network Element provisioning information in field in sync with local database in the NOC by means of audit/reconcile/resync mechanisms.

PUBLICATION

International Journal

[1] Mishra A., Sharma, A.K., "Role of Agents in Distributed Network Management: A Review", International Journal of Advancements in Technology Year: 2010 Vol: 1,Issue: 2 Pages/record No.: 284-295.
[2] Sharma, A.K., Mishra A., Singh V.,"An Intelligent Mobile-Agent Based Scalable Network Management Architecture for Large-Scale Enterprise System", International Journal of Computer Networks and Communications (IJCNC), Vol. 4, No. 1, pp 79-95, January, 2012.
[3] Mishra A., Sharma, A.K., Madan, A., "An Analysis of Management Cost for Mobile Agent based Network Management Model." International Journal of Computer Applications 42(5):19-28, March 2012.

[4] Garg V.,Srivastava A.,Mishra A., "Obscuring Mobile Agents by Source Code Obfuscation." International Journal of Computer Applications 61(9):46-50, January 2013.

[5] Aditya Bakshi, A.K.Sharma, Atul Mishra, "Significance of Mobile AD-HOC Networks (MANETS)", International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-2, Issue-4, March 2013

[6] Katyal M., Mishra A., "A Comparative Study of Load Balancing Algorithms in Cloud Computing Environment.", International Journal of Distributed and Cloud Computing, Volume 1 Issue 2 December 2013

[7] A Saini, A Mishra, AK Sharma, "Distributed Network Management Architectures: A Review", International Journal of Computer Applications (0975 – 8887) Volume 68– No.3, April 2013

[8] Anish Saini, Veena Garg, Atul Mishra, "Design of Mobile Agent Based Security Strategies for Distributed Network Management Systems", - International Journal of Computer Networks and Security, ISSN: 2051-6878, Vol.24, Issue.1 1234 To-1247 May 2014

[9] A Saini, A Mishra, "Domain-partitioned element management systems employing mobile agents for distributed network management", International Journal of Computer Networks & Communications (IJCNC) Vol.6, No.3, May 2014

[10] Anish Saini, Atul Mishra "Scalable Management Strategies using Mobile Agents in Optical Transport Network", International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE) Volume 2, Issue 1, January 2014 ISSN(Online): 2320-9801 ISSN (Print): 2320-9798

[11] Katyal M., Mishra A.,"Application of Selective Algorithm for Effective Resource Provisioning in Cloud Computing Environment", International Journal on Cloud Computing: Services and Architecture (IJCCSA) ,Vol. 4, No. 1, February 2014

[12] Aditya Bakshi, Atul Mishra , Heena Batra, "BRTCM: Black Hole Removal Using Threshold and Co-operative Method", International Journal of Scientific & Engineering Research, Volume 5, Issue 3, March-2014 928 ISSN 2229-5518

[13] Deepika Dua, Atul Mishra "Selective watchdog technique for intrusion detection in mobile ad-hoc network", International Journal on Applications of Graph Theory in Wireless Ad hoc Networks and Sensor Networks (GRAPH-HOC) Vol.6, No.3, September 2014

[14] Deepika Dua, Atul Mishra, "Intrusion Detection for Mobile Ad-hoc Network", International Journal of Advanced Research in Computer and Communication Engineering Vol. 3, Issue 2, February 2014

[15] Chetan Kaushik, Atul Mishra, "A scalable lexicon based technique for sentiment analysis", International Journal in Foundations of Computer Science & Technology (IJFCST), Vol.4, No.5, September 2014

[16] Katyal M., Mishra A., "Cloud Computing: A new paradigm in utility computing", International Journal on Advanced Computer Theory and Engineering (IJACTE), ISSN (Print): 2319-2526, Volume -3, Issue -6, 2014

[17] Gupta G., Mishra A., "Simulation based study of cooperative black hole attack resolution using cross-checkingAlgorithm", International Journal on AdHoc Networking Systems (IJANS) Vol. 5, No. 2, April 2015

[18] Kumar S., Mishra A., "Application of Min-Min and Max-Min Algorithm for Task Scheduling in Cloud Environment Under Time Shared and Space Shared VM Models", International Journal of Computing Academic Research (IJCAR), Vol. 4, No. 6, December 2015

International Conference

[1] Mishra, A. and Sharma, A.K., "Application of Mobile Agent In Distributed Network Management", International Conference on Communication Systems and Network Technologies, CSNT2012, Rajkot, May 11-13, 2012.

[2] Mishra, A. and Sharma, A.K., "Mobile Agent Based Scalable Solution For Distributed Network Management", International Conference on Emerging Technology Trends on Advanced Engineering Research, ICETT, 2012.

[3] Singh, V., Mishra, A. and Sharma, A.K. 2010. "A Mobile Agent Based Framework for Network Management System", International Conference on Computer Engineering and Technology, ICCET' 2010

[4] Srivastava, A., Mishra, A., Shrama, A.K., "Mobile Agent Based Fault Management Paradigms", International Conference on Computing and Control Engineering (ICCCE 2012), 12 & 13 April, 2012

[5] Sharma, A.K., Mishra A., Garg, V., "Mobile Agents Security against Malicious Hosts – Review", International Conference on Computing and Control Engineering (ICCCE 2012), 12 & 13 April, 2012

[6] Anish Saini, Atul Mishra, "Scalable and Responsive Mobile Agent BasedArchitecture for Distributed Network Management - International Conference on Emerging Trends in Computing and Communication (ICETCC 2014) 15th February, 2014 Coimbatore ISBN: 987-93-81361-41-1

[7] Dua D., Mishra A., "A survey of intrusion detection techniques for mobile ad-hoc network", International Conference on Emerging Trends in Computing and Communication (ICETCC 2014) 15th February, 2014 Coimbatore ISBN: 987-93-81361-41-1

[8] Chetan Kaushik, Atul Mishra, "Sentiment Analysis – A survey", International Conference on Electrical, Electronics and Computer Science (ICEECS 2014), 30th March, 2014

[9] Neeraj Sanduja, Atul Mishra "Design of the Roadways System based on Service Oriented Architecture ", 6th National Conference on Advancement of Technologies (Focus 2010) Information Technology & Energy Management. February 20-21, 2010. GLA, Mathura, India.

[10] Katyal M., Mishra A., "Orchestration of cloud computing virtual resources", International Conference of Contemporary Computing and Informatics (IC3I) – 2014, Mysore, Karnataka, India 27-29 November 2014

[11] Katyal M., Mishra A., "A novel resource allocation technique for logically dependent tasks in a cloud computing environment", 2nd International Conference on Computing for Sustainable Global Development (INDIACom), 2015
[12] Kumar G., Mishra A., "Energy Efficient Task Scheduling Algorithm In Cloud Computing Environment ", International Conference on Recent Trends in Computer and Information Technology Research, 2015, B. S. Anangpuria institute of technology & management, 25-26 September 2015

ACADEMIC CREDENTIALS

2012 Ph.D. (Computer Engineering) from MDU University, Rohtak, Haryana

1992 MS (Computer Science & Technology) from University of Roorkee (Indian Institute of Technology, Roorkee)

1990 BS (Electronics & Communications) from Delhi Institute of Technology, Delhi